StarFinder AVL Software Reference Guide

Revision 2.01 –January 2004

MapPoint or GeoObjects Version Guide

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Installing the software:

The Starfinder AVL software's serial is included in the installation disk, open the file and write this number down, as you will be asked for it during the installation process.

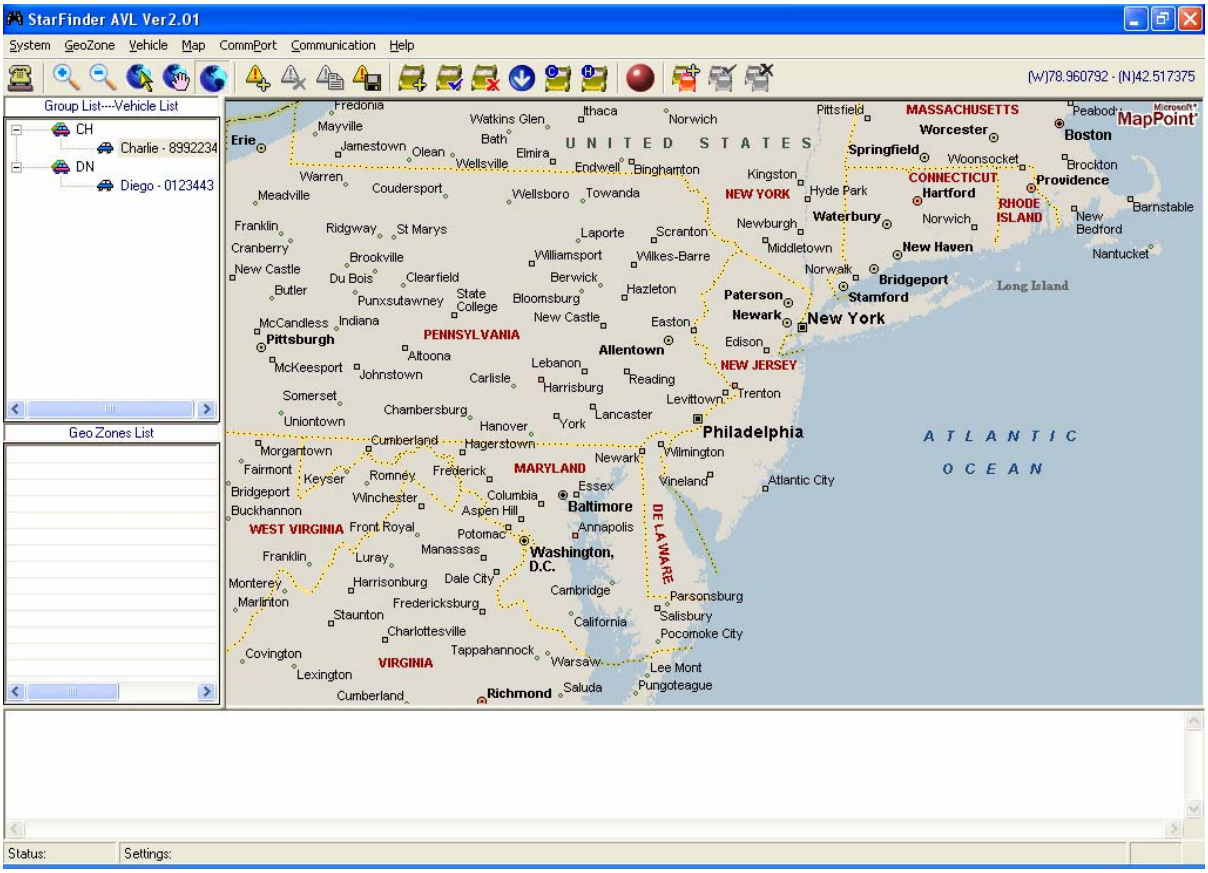
Put the Starfinder AVL software disc into your computers compact disc drive and run the setup program. Clicking on the "Start" button, then clicking "Run" can do this.

Generally this is D or E, but if not, click "Browse" to manually find the setup disc and then the "setup.exe" file.

Notes:

1. For Starfinder AVL Software in MapPoint Version, your copy of MS MapPoint North America or Europe must be installed first.

Starfinder Main Screen



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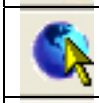
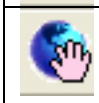
Main Screen Components

Click on the tool bar option for initial set up and or modification of the following parameters that will be described in the following pages.

	Set COM port's property		Add Vehicle to System
	Map Zoom in tool		Set Vehicle Properties
	Mao Zoon out tool		Remove Vehicle
	Set Map tool		Show Vehicle Position
	Move map tool		Configure Vehicle
	Open / Close Map		Show History Vehicle
	Add Geo Zone tool		Turn modem On/Off
	Delete Geo Zone tool		Add Group tool
	Set Geo Zone's name		Change Group tool
	Modify Geo Zone to Database		Remove Goup tool

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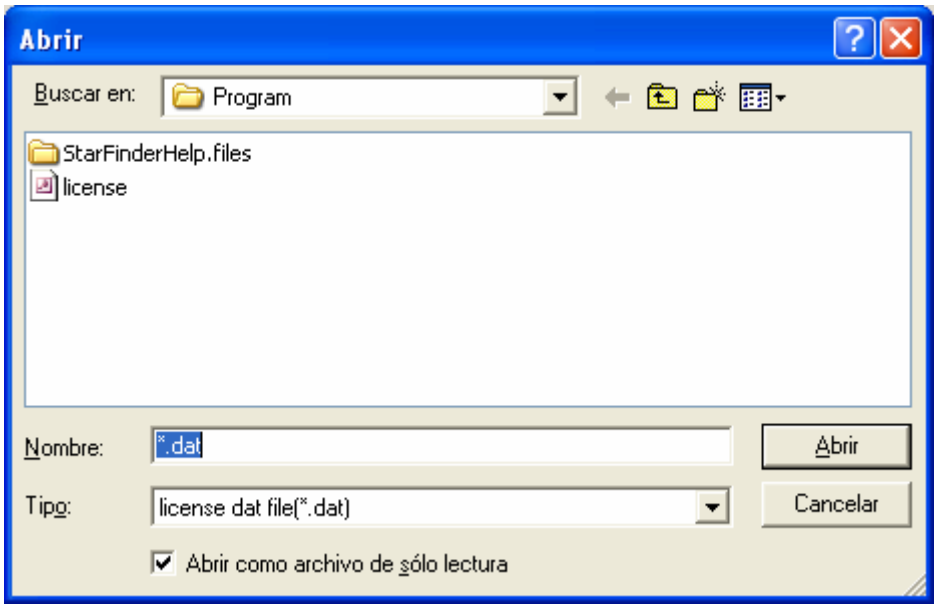
How to import STARFINDER AVL License

The operation to import a license file:

1. Click system menu

2. Click Import License sub menu witch shows a file dialog:



3. Select a valid license file, usually the license file's ext file name is DAT, if you select an invalid license file, the system will display warning information:

4.Input password, this will allow the installation process to begin.

5.Subsequent-license information is obtained from the about dialog.

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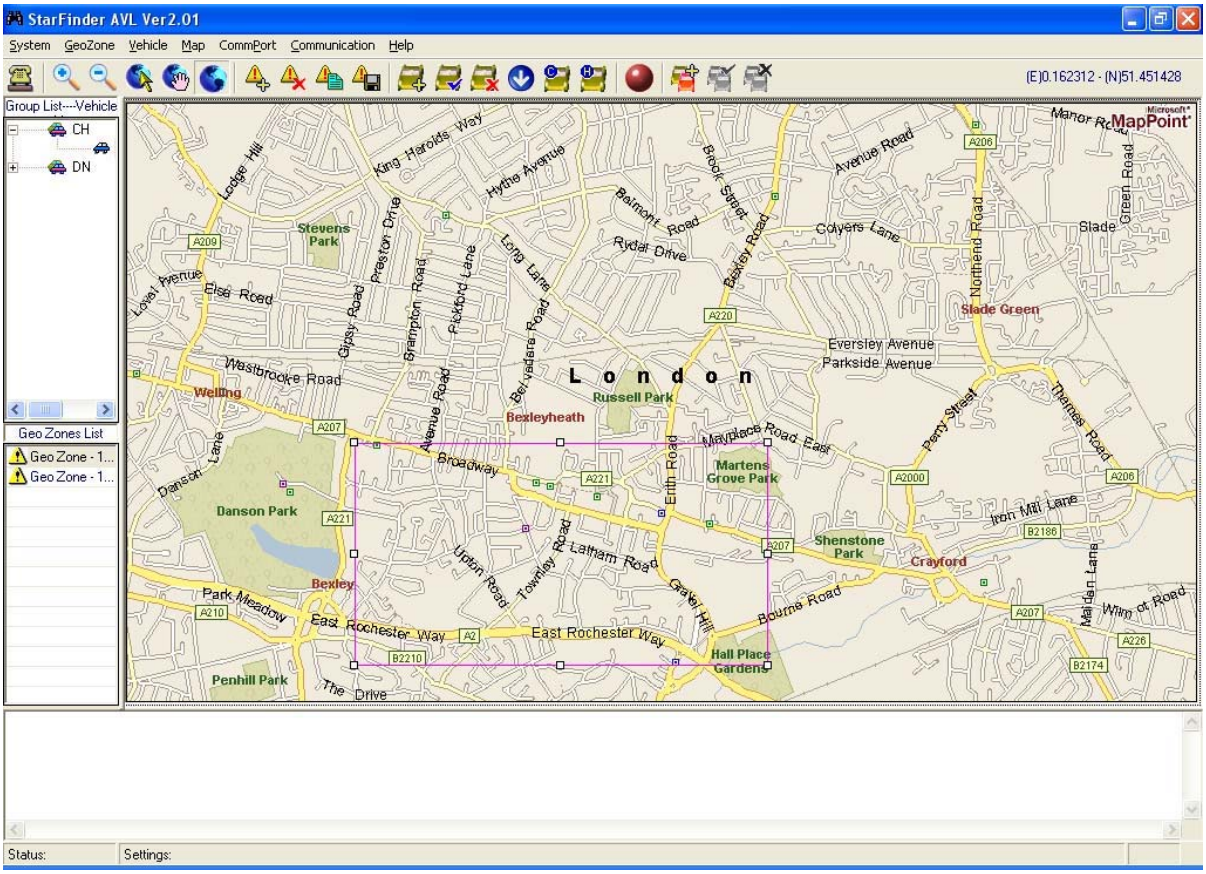
Geo Zone

Add and Delete Geo Zone

1. Click Geo zone menu

2. Click Add Geo Zone sub menu, when you move your mouse pointer over the map, you will find the cursor has been changed to Cross cursor

3. Click mouse left button, hold and drag the mouse, and draw a rectangle on the map, then release mouse left button, a new Geo Zone will be added to the Map



New Geo Zone's Name, you can change the Name of the new Geo Zone added on Map

4. You can modify any Geo Zone with the mouse and also change the size and position

5. Click Delete Geo zone sub menu, you will delete the Geo Zone selected in Geo Zones list, the Geo Zone will be removed from Geo Zones list and Map; Also you could use mouse to select a Geo Zone from Map, and press Del key to delete it.

6. Click Set Geo Zone Name sub menu, you can change the Geo Zone's name and make it easy to remember or to manage.

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7. Click Show Geo Zone Position sub menu, the map will display the position of Geo Zone which is selected in Geo Zones List.

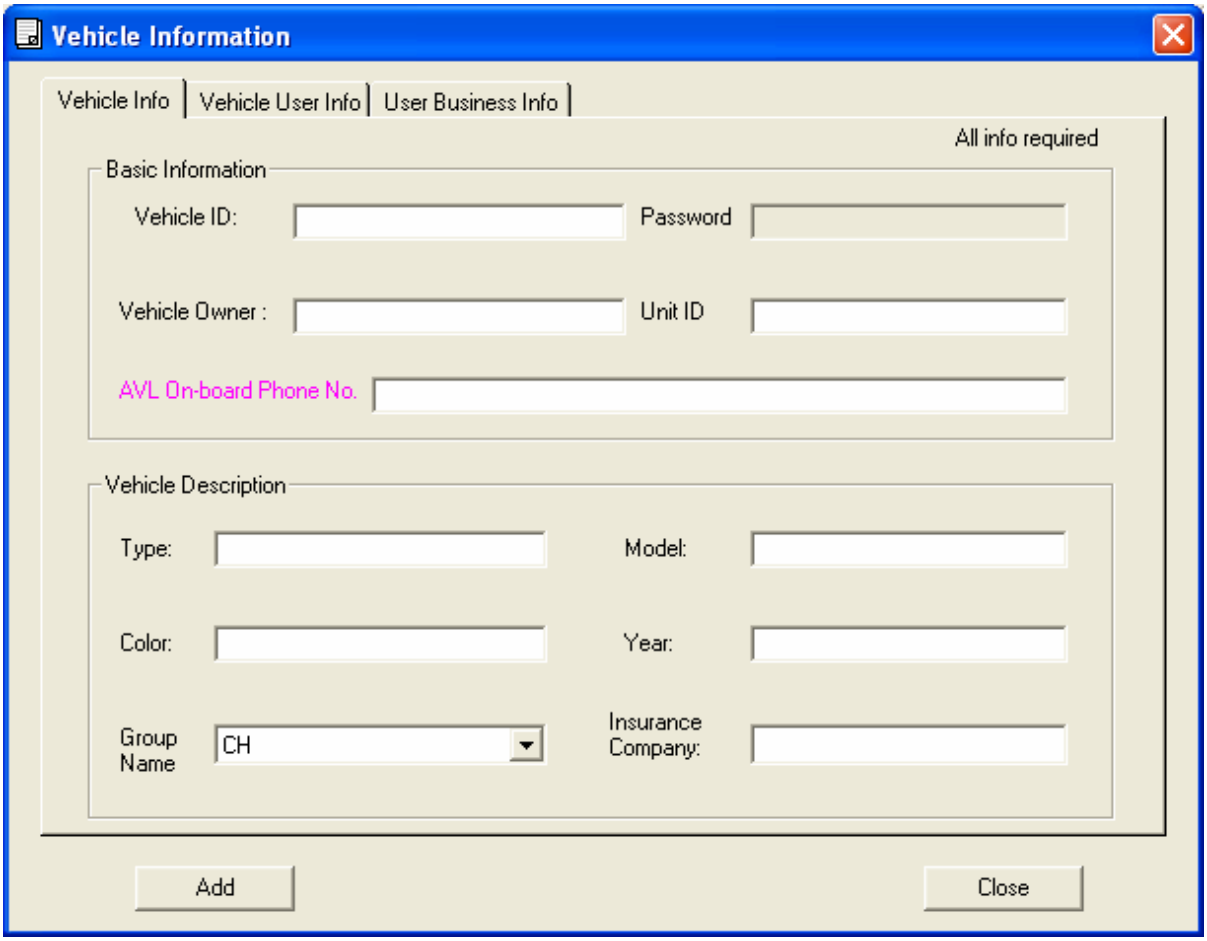
8. Click Save Geo Zone sub menu, the system will save Geo Zones into database.

Add Vehicle

1. Click Vehicle menu

2. Click Add Vehicle sub menu, you can register vehicles into the system

Vehicle information registration window:



(1) The vehicle information registration window will record user's vehicle and AVL information to the database

(2) All information in the edit boxes of this window has to be filled out otherwise the registration will not be successful

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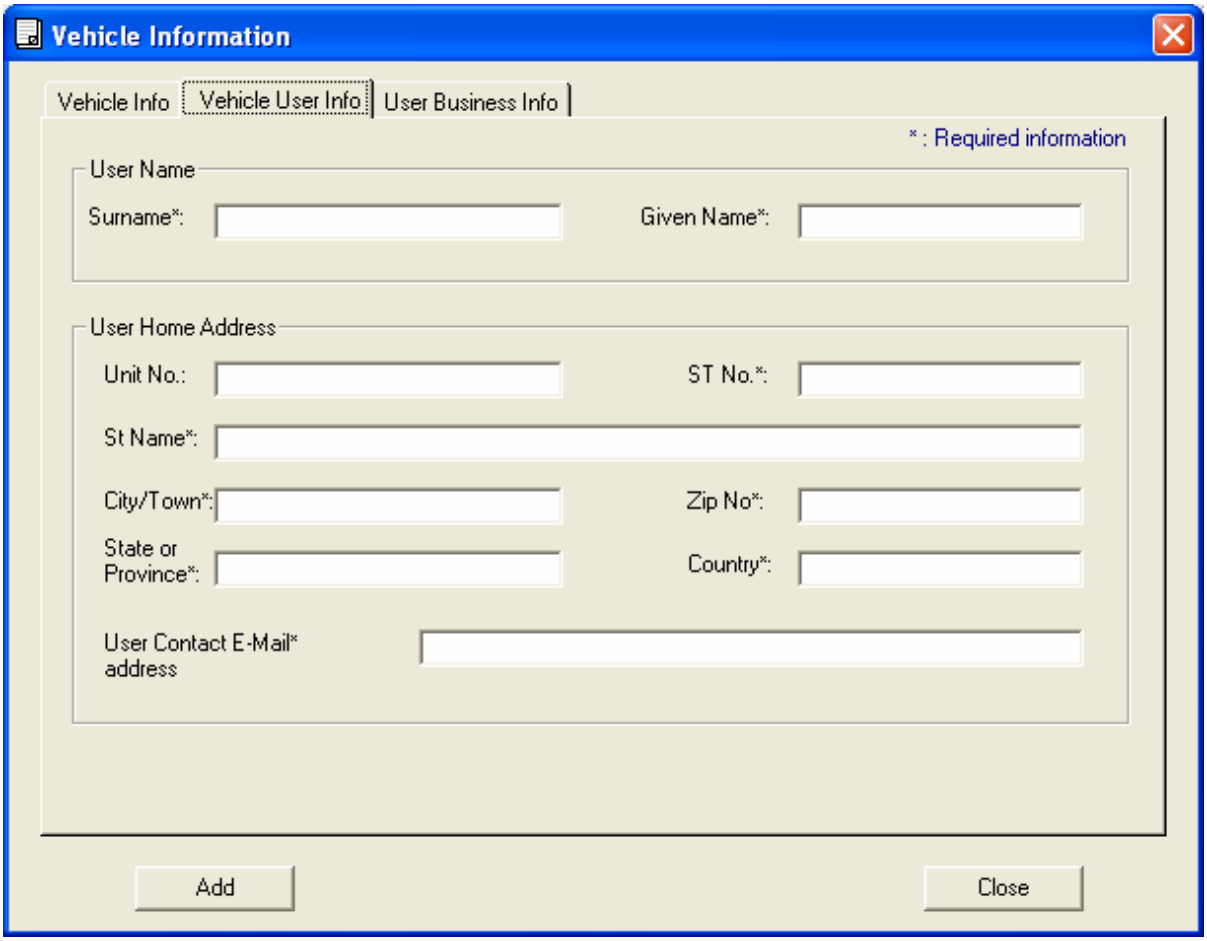
Vehicle's User information registration window:



(1) In Vehicle's User information registration window is where the user's home contact information and AVL dial number will be recorded.

(2) All information with * in the edit box of this window must be filled out otherwise the user information will not be registered successfully.

(3) The On Board Cell Phone box in this form means the cell phone number in the AVL. In other words, this is the AVL dial number

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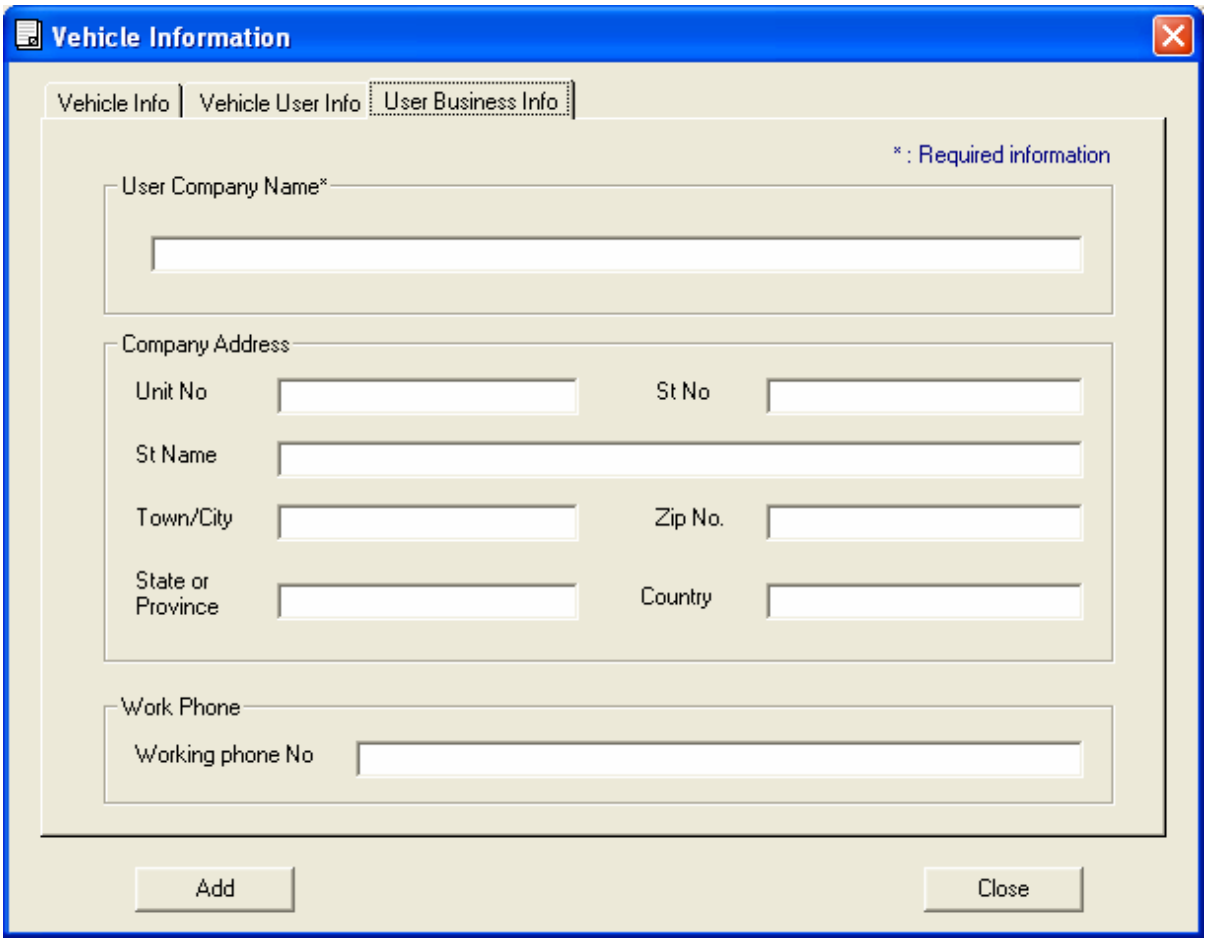
Vehicle's user business information registration window:



(1) In the Vehicle's user business information registration window above, user's business contact information will be recorded. The items with * in the edit box must be filled out.

(2) After all information is provided, click the Add button and the user and information will be recorded to the database.

3. Click Set Vehicle Property sub menu, you can modify the vehicle information you've registered into the system, the window is same as the Add Vehicle window.

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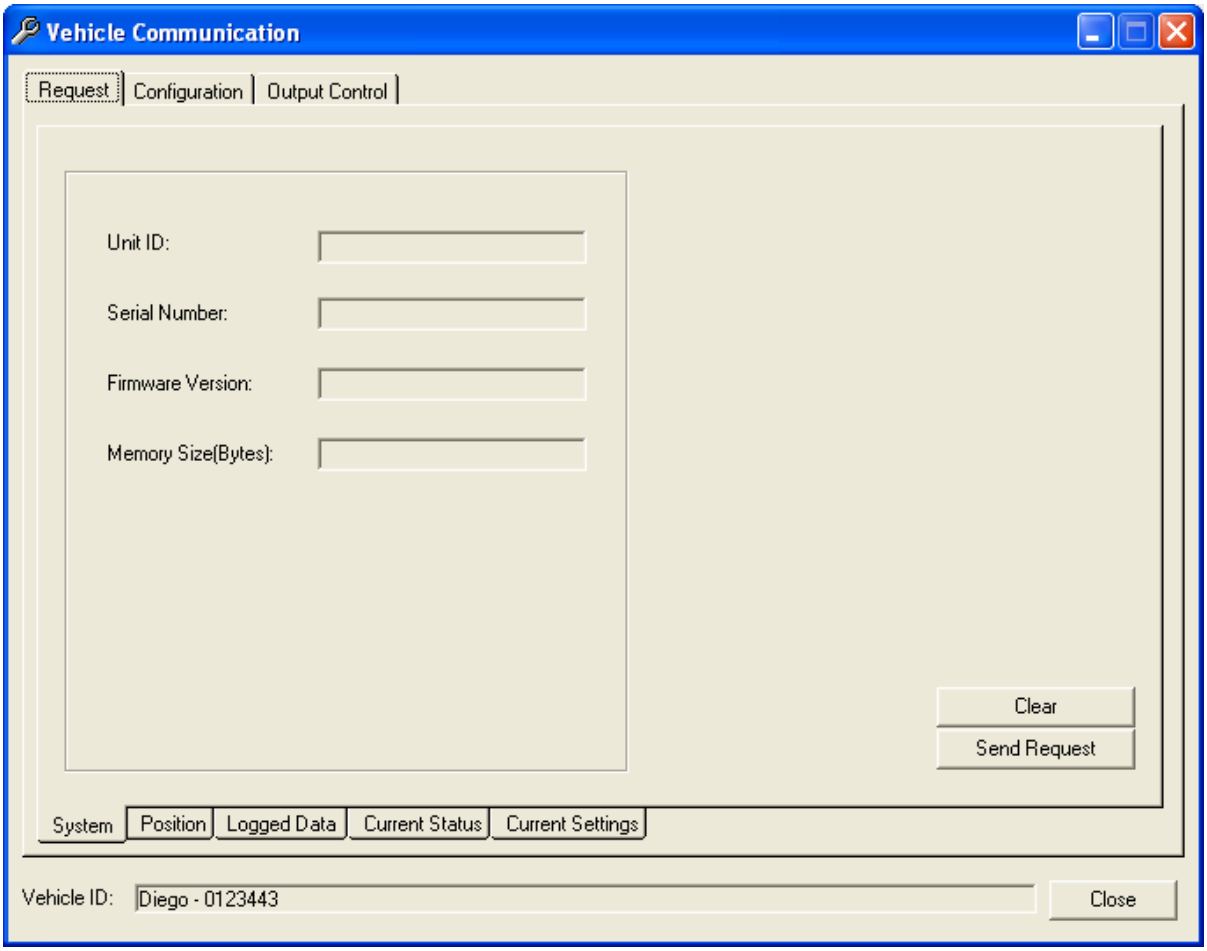
4. Click Delete Vehicle sub menu to delete vehicle selected in the "Vehicles List".

Click Configure Vehicle sub menu, you can communicate with AVL hardware and query information or set information. If you want to use this function, you must open COM port first, if you don't open COM port, the system will display the following dialog:

Set or Query information from Starfinder AVL

Vehicle system:



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When checking Starfinder AVL hardware information, just select the vehicle ID and click the Send Request button in the communication edit form shown above. The AVL information regarding Unit ID, Series Number, Memory Size, and Firmware version will be shown.

Click the Clear button, the shown information will be cleared.

Click the Close button, the communication form will be closed.

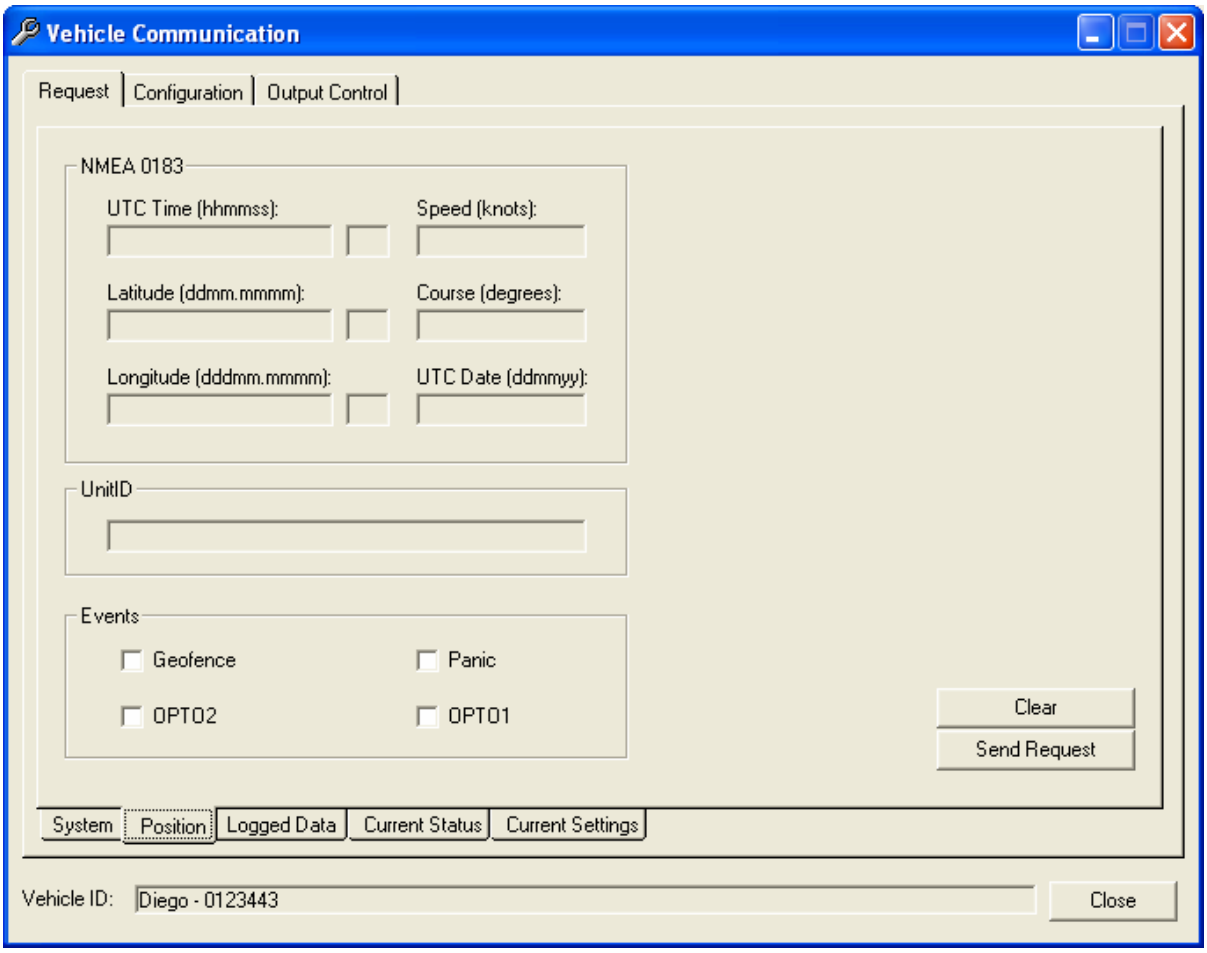
Vehicle position information:

When checking the Starfinder AVL position and event information, just select the vehicle ID and click the Send Request button in the communication edit form. The vehicle's position and event info will be shown.

Click the Clear button, the shown information will be cleared.

Click the Close button, the communication form will be closed

Vehicle current status:



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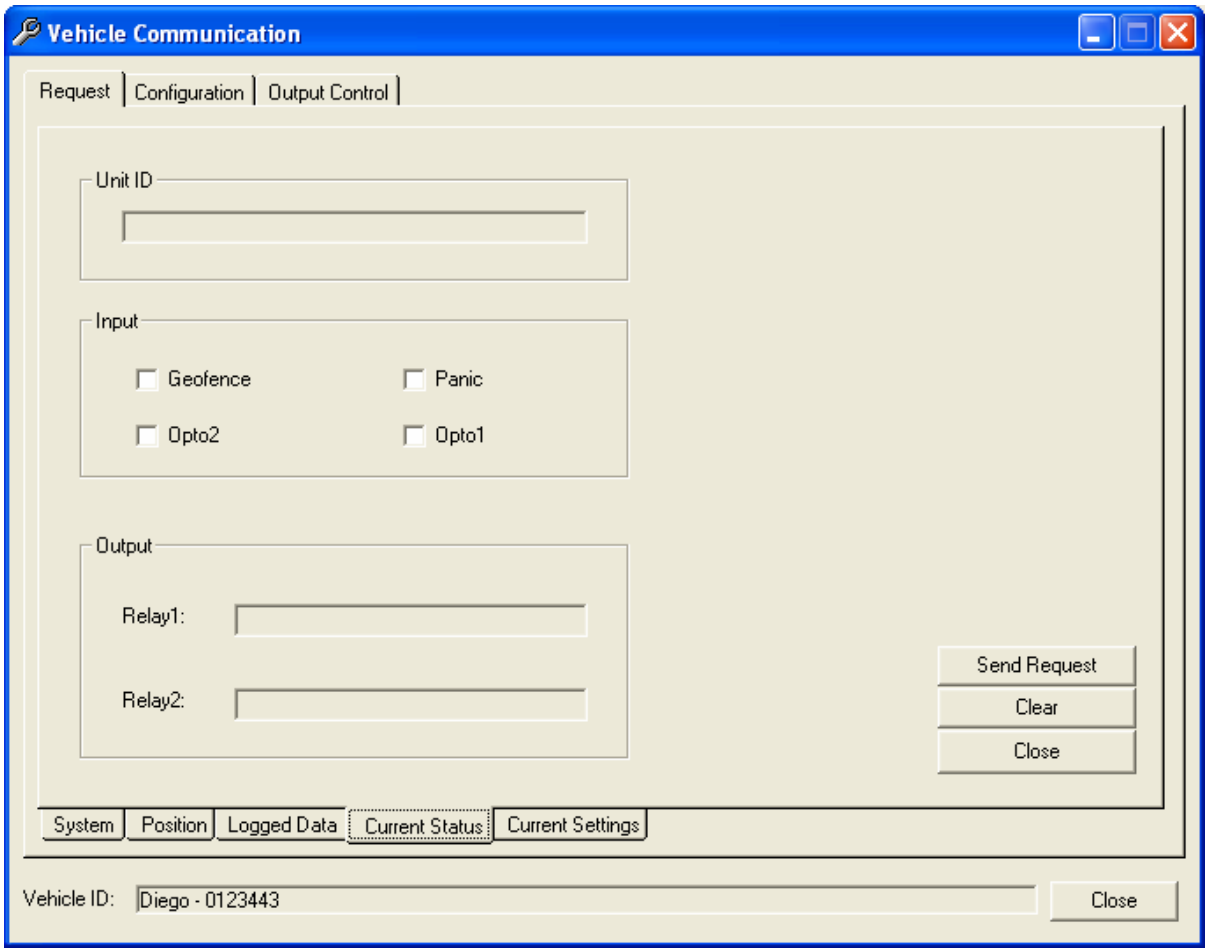
When checking Starfinder AVL's current status configuration, just select the vehicle ID and click the Send Request button in the communication edit form shown. The vehicle's status info will be shown.

Click the Clear button, the shown information will be cleared.

Click the Close button, the communication form will be closed.

Query or set Vehicle:



When checking Starfinder AVL's setting information, just select the vehicle ID and click the Send Request button in the communication edit form shown above. The vehicle's setting info will be shown. This includes Geofence setting, SMS communication setting and data logging file setting.

Click the Clear button, the shown information will be cleared.

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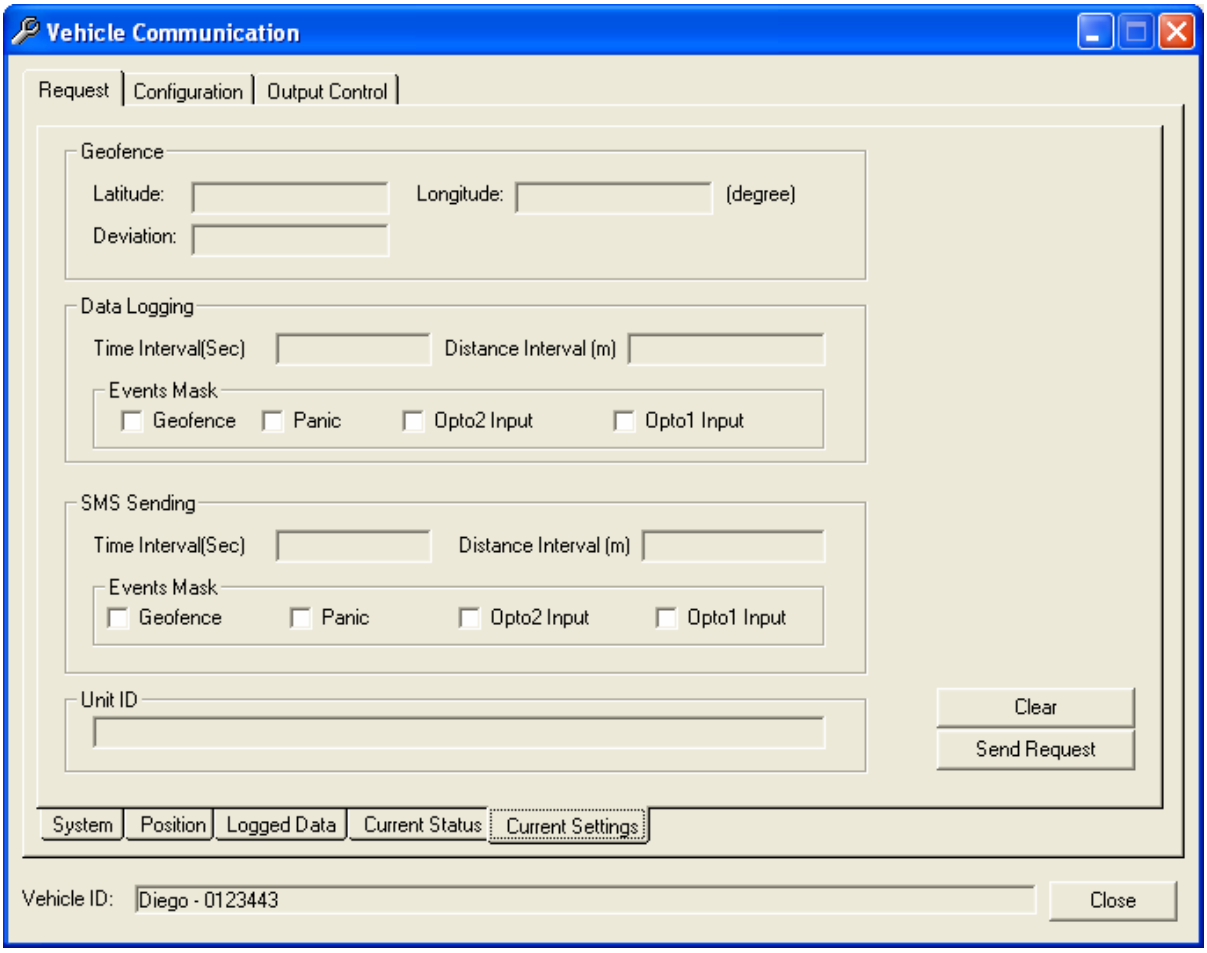
Click the Close button, the communication form will be closed.

Data logging settings:



When checking Starfinder AVL's configuration of data logging information, just select the vehicle ID and click the Send Request button in the communication edit form shown above. The vehicle's data logging info will be shown.

Click the Clear button, the shown information will be cleared.

Click the Close button, the communication form will be closed.

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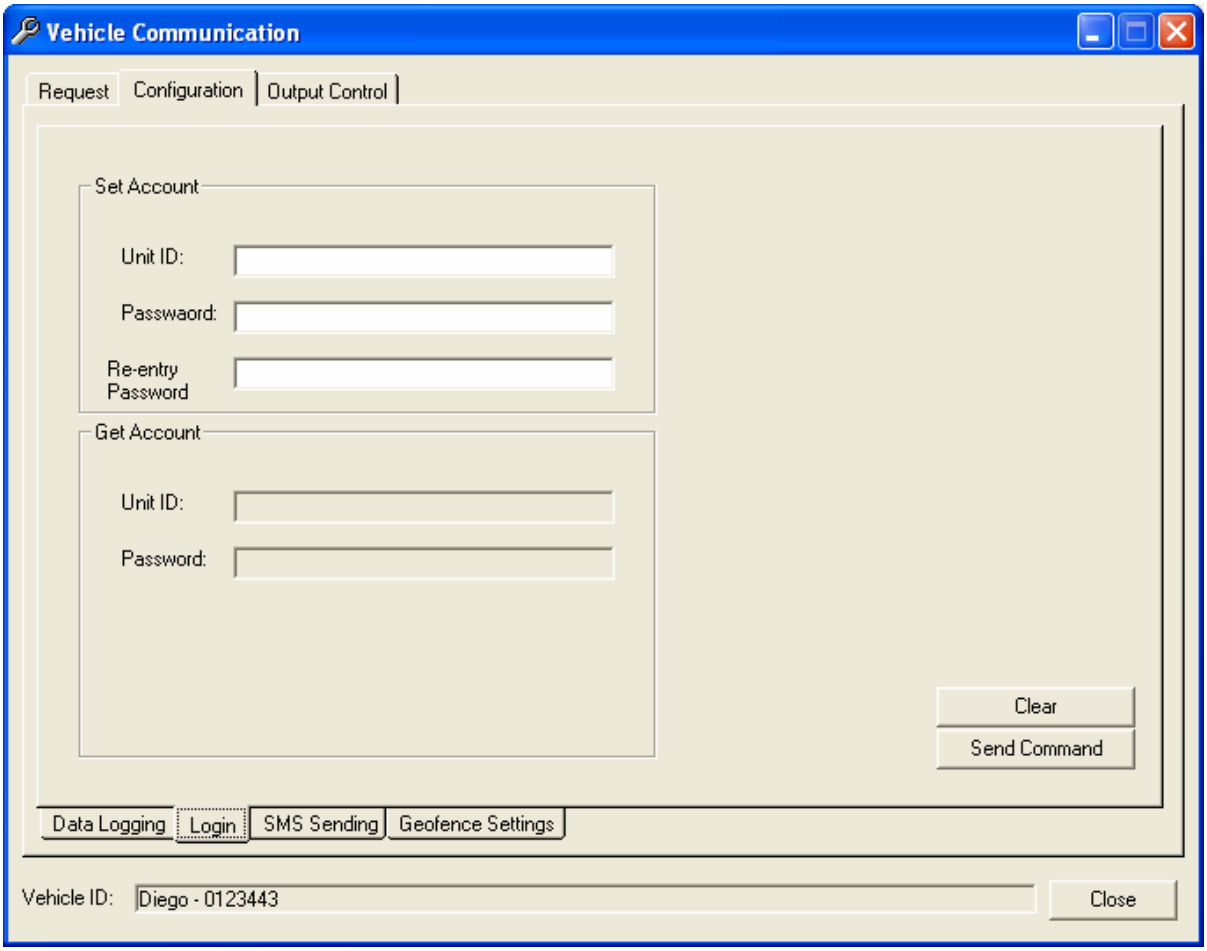
Login information:



When changing the Unit ID or password of an AVL's hardware, just select the vehicle ID, fill in the new Unit ID and password in their edit boxes and click the Send Request button in the communication edit form shown above. The vehicle's new password and unit ID will be set and shown.

Click the Clear button, the shown information will be cleared.

Click the Close button, the communication form will be closed.

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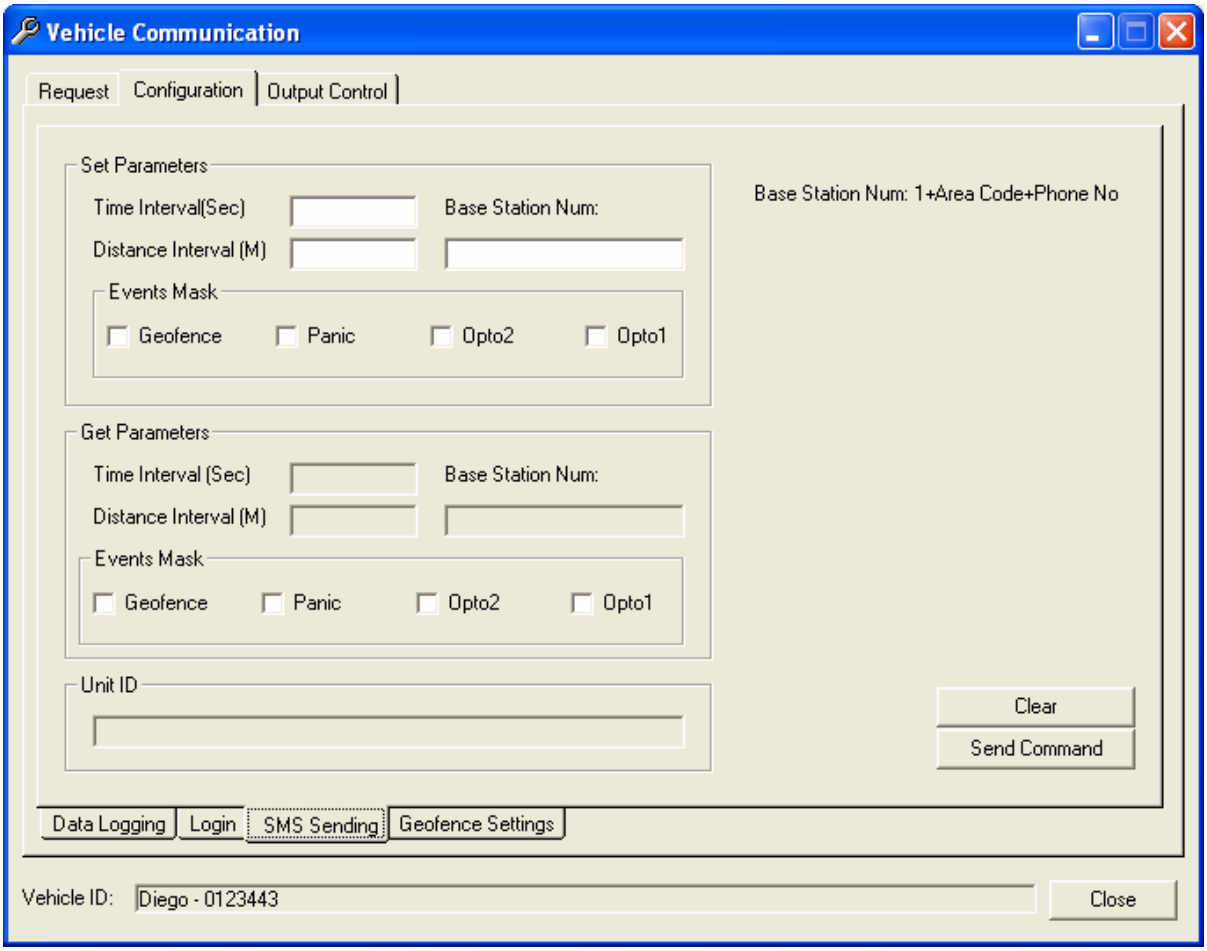
Sending SMS:



When you need position and event information from a Starfinder AVL periodically, the interval parameters need to be setup. You can set up the time interval or distance interval as an interval for collection of position and events. The event type that you want can also be selected. You also have to select the vehicle ID and click the Send Request button in the communication edit form shown above. The vehicle's position and event information will be shown in each period you set up.

Click the Clear button, the shown information will be cleared.

Click the Close button, the communication form will be closed.

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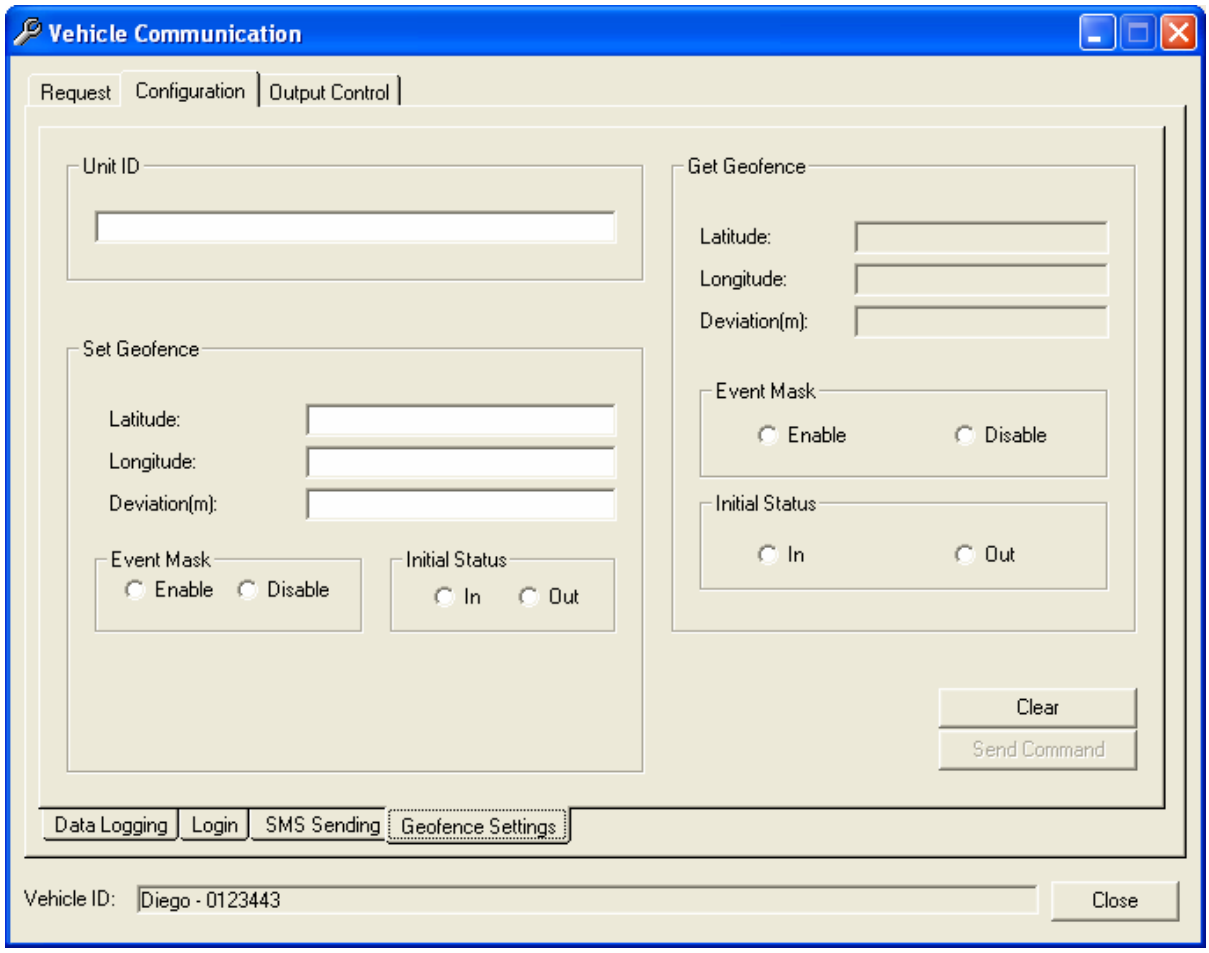
Geo Fence Settings:



When setting up the Starfinder AVL's geofence information, it's necessary to set up the parameters for geofence settings for each vehicle ID. Click the Send Request button in the communication edit form shown above. The vehicle's geofence settings will be shown.

Click the Clear button, the shown information will be cleared.

Click the Close button, the communication form will be closed.

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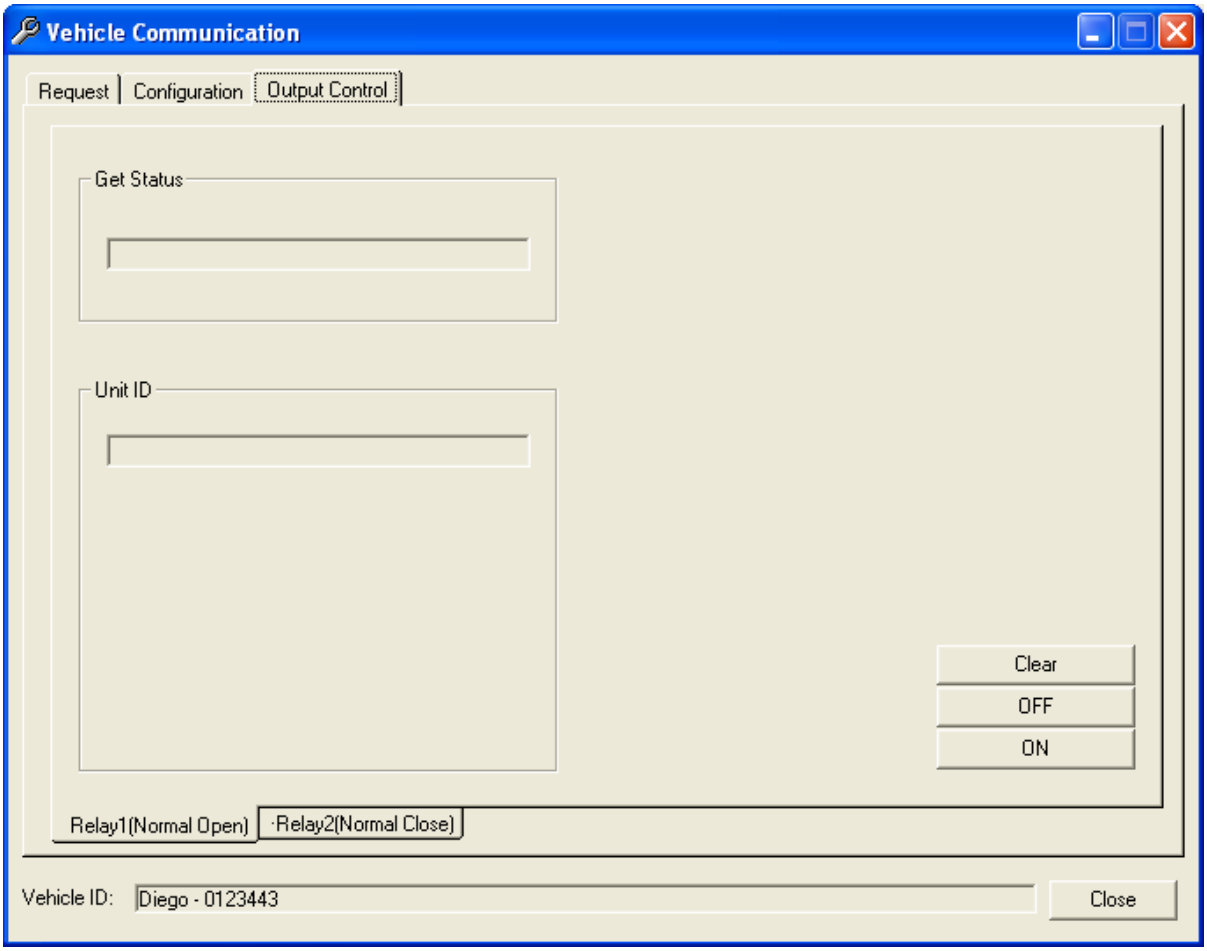
Output control:



When setting up (turning on or off) the relay1 or relay2 of Starfinder AVL, select the vehicle ID, click tab key (Relay1 or Relay2) and click the ON or OFF button in the communication edit form shown above. The vehicle's relays setup will be completed.

Click the Clear button. The shown information will be cleared.

Click the Close button. The communication form will be closed.

6.Click Vehicle Position sub menu to display the vehicle's position on the map, if there is no position information about the selected vehicle, the system will display the following information dialog:

"There is no position information returned from vehicle".

Click Query History Information sub menu, and you can query track history for the selected vehicle, if you click the history data list, the map will show the position at that time.

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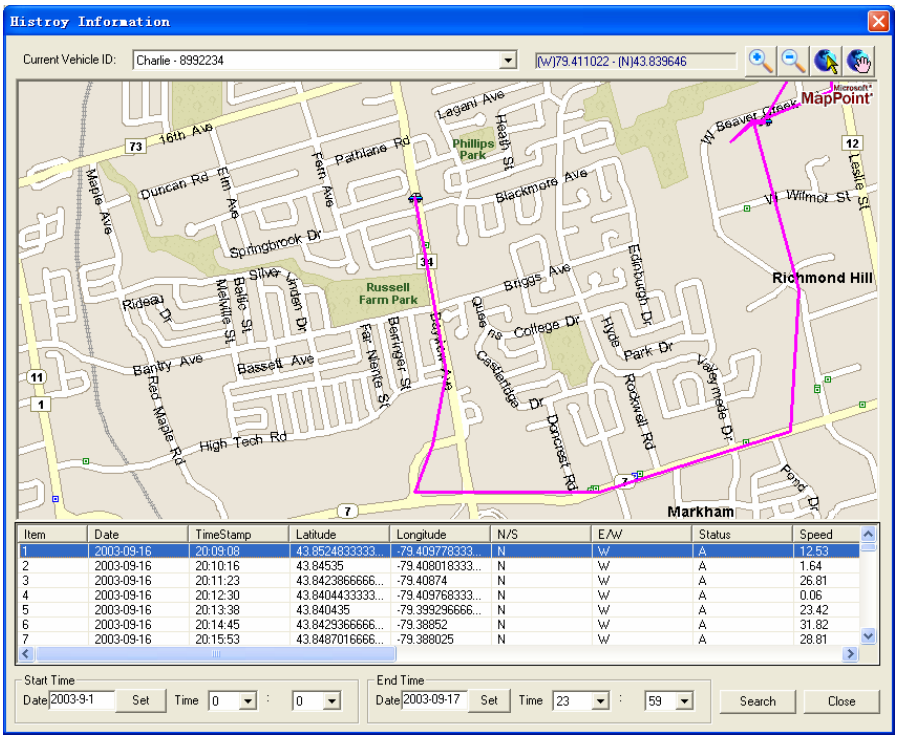

You can query history information with Date and Time conditions of Current vehicle history information and Current vehicle Map information

Its possible to change to any vehicle to query its history information

If it's not possible to obtain information about the selected vehicle, the system will display an information dialog:

"No data matched for this vehicle ID"

Map

MapPoint Version

1. Click Open Map sub menu on toolbar, open North American maps or Europe maps. At present there are two Map data programs available in this system, North America and Europe. After opening the map, the menu changes to close map, click again to close map.

2. Click Zoom in sub menu, Map will zoom in step by step until it reaches the minimum zoom value.

3. Click Zoom out sub menu, Map will zoom out step by step until it reaches the maximum zoom value.

4. Click Pan Sub menu, then the mouse pointer changes to hand cursor, use mouse to move map.

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5. Click Zoom sub menu, select any object on the map, or drag mouse to draw a rectangle on the map, then click the inner of rectangle to zoom in the map.

6. Click Map Settings sub menu, to change Map style or Map Data, there are five types of Map Data available for Map Point 2002 and 2004

GeoObjects Version

The GeoObjects Map Engine is a powerful tool for mapping, and allows takes on-the-flay the following standards: MapInfo, ArcView or Autocad.

1. Click Open Map sub menu on toolbar.

2. Click Map Setting.

3. Clicking "Map Data Type" you will select the map format that you have. (MapInfo, ArcView or Autocad).

4. Clicking "Map Data Path" you select the folder where your maps are.

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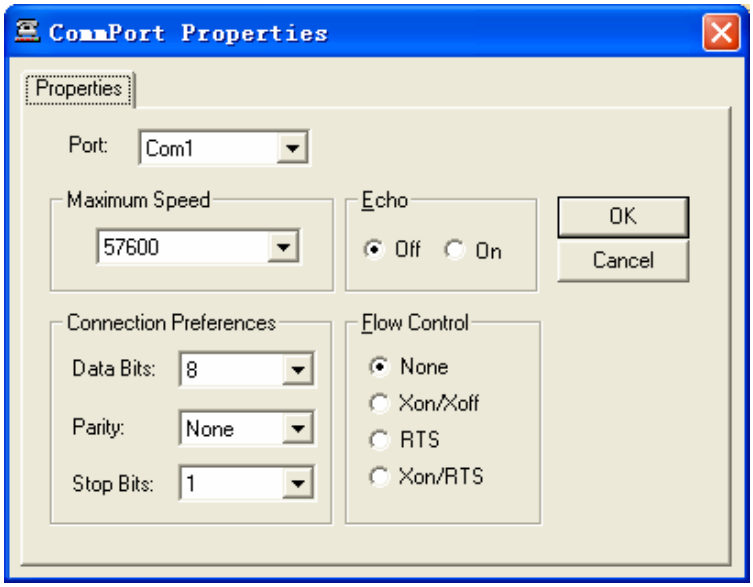
COM port:

1. Click COM port menu

2.Click Port Open sub menu, open COM port and begin to send commands or requests to the vehicle or query information from a vehicle. After you open COM port, this menu changes to close COM port.

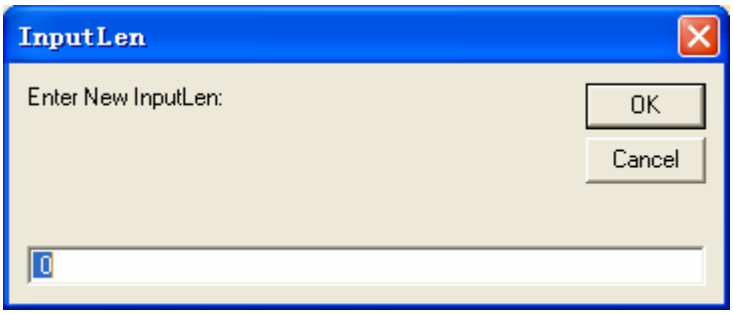


3. Click Port Properties sub menu, to select different COM port, or baud rate, or other parameters for COM port.

Communication:

1. Click Communication menu

Click Input Line sub menu



Click RThreshold sub menu

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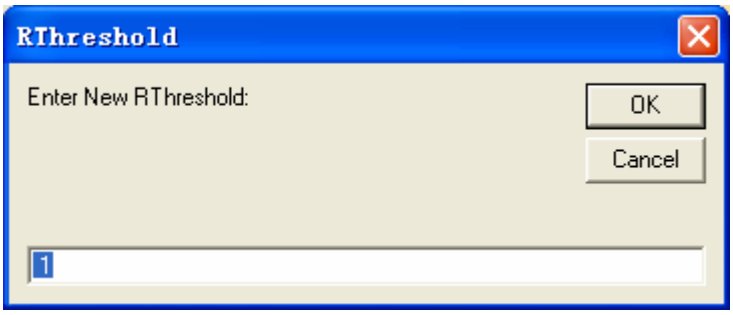
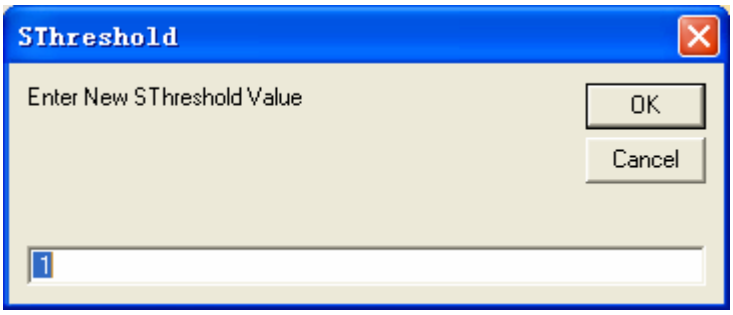
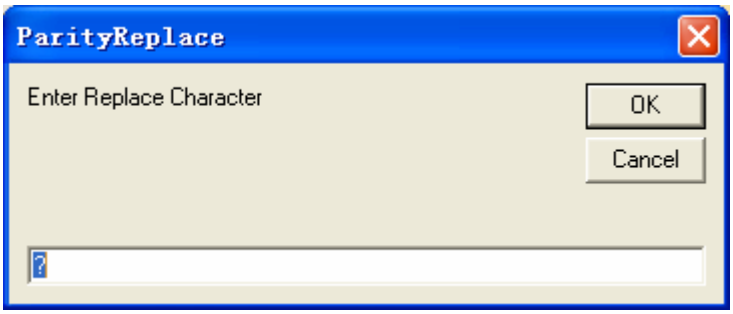


Click SThreshold sub menu



Click ParityReplace sub menu



Click DTREnable sub menu

Click CTSHolding sub menu:

Should always be False.

Click DSRHolding sub menu:

Should always be False.

Telephone:

Click Initialize Modem sub menu

Click Dial Telephone Number sub menu

Click Hand up Telephone sub menu

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